



Volume 21

An ARCEC Monthly Publication - September 2012

Issue 9

Counterpoise Editor - Joe Bennett KJ6VMX

Amateur Radio and the Youth of Today



The Amateur Radio hobby is increasingly pleased to see more and more young people becoming interested in joining the ranks of those who hold their tickets now. From visits to local Ham Shacks, to sitting down at a recent Field Day, you can see the fascination and curiosity evident on the faces of the young men when given a chance to actually participate in communication operations. ARCEC is striving to make becoming a Ham a task that might be more attainable with plans for online training for Tech as well as General and Extra test preparation. More info regarding these programs will be made available as the training courses are further along. Also, keep your eyes here on the Counterpoise too as we join in with future articles and features in upcoming issues. To, remember that you need to get a free FRN from the FCC prior to taking any exams so that your results can be posted to their site. Just visit them at <http://wireless.fcc.gov/uls/index.htm?job=home> to apply and receive your number.

ARCEC Repeater Frequencies

2 Meter Repeater	220 MHZ Repeater	440 MHZ Repeater
TX 146.475	TX 220.480	TX 440.900
RX 147.420	RX 224.080	RX 445.900
Offset .945	Offset 1.6	Offset 5.00
PL 107.2	PL 107.2	PL 107.2

Join us at our next meeting

Meeting is on Oct. 11th @ 7 pm

First Lutheran Church

867 S. Lincoln Ave. El Cajon, CA

Mystery of the Masthead

By Joe -KJ6VMX - Counterpoise Editor

I have been asked a number of times, “What does the photo in the background of the Counterpoise Masthead have to do with Ham Radio?” Well, as many have deduced, it is a panoramic photo of the San Onofre Nuclear Generating Station (SONGS) and I took it in the mid 2000’s while I was an employee there. It was taken from atop the Unit Two reactor dome, and shows a view of Unit Three and nearby parts of the facility. While there, I worked on a number of the security systems, including installation of antennas and wave guide inside of the domes. Was only one of the projects I worked on during a very interesting term of employment there. Now, see if you can figure out what this months Masthead is and what it has to do with radio related things. Please feel free to email me at counterpoise@wa6bgs.us with your answers. Look for the answer in the October issue of the Counterpoise.

SONGS Unit Three Reactor Dome circa 2005



How Ham Friendly is Imperial Beach?

By Joe - KJ6VMX

I will be moving from El Cajon to Imperial Beach near the middle of September. I have lived there before, but well prior to becoming a Ham. I found a nice home to rent on the north side of town, near the bay, and asked my new landlord if it was okay to install an antenna or two. She said that as long as I met any city requirements, it would not be a problem with her. I then made contact with both the City Planning Commission as well as with a gentleman in the Code Enforcement Department. Had a very pleasant conversation with the latter, and was given the information that as long as my antennas were kept below 35’ total height above ground level no permits would be required. As all of my planned antennas are below this height, looks like I will be good to go. Already have it figured out how I will be mounting them, as well as my CCTV and weather systems too. But that is for another story, so look for it next month folks, and YES I.B. is a Ham friendly city too!!



SAN DIEGO, CA:

Store Hours:

10AM-5:30PM Mon - Sat

Telephone hours:

9:30AM-5:30PM Mon-Sat

858-560-4928

So you want to build a Project?

By Pat - WA6MHZ

Maybe you were looking through QST or the Handbook; and saw a project that you'd like to try. Not many kits anymore. Very few in fact since Heathkit bit the dust along with WRL and Knightkit. So, you are on your own now if you want to build something, like for the ARCEC Homebrew Contest this November! You found the schematic, and have a plan, but WHERE can you get the parts. \Oh, you can always MAIL AWAY for them. Mouser and Digikey have most of the parts you need, at a high price and a long wait while being shipped or backordered. Still, that is a good choice if you have plenty of time and money.

<http://www.mouser.com/> and <http://www.digikey.com/us/en/digihome.html>

They still have some through-hole parts, but these companies are designed to support the Electronics Manufacturing industry, which is primarily Surface Mount. So that leaves looking for parts here in the local area. Yes, there is HOPE! Many if not most of the parts you will need can be scored right here in El Cajon, or the San Diego area. Here is a preview of what you will find when looking.



CALIFORNIA ELECTRONICS
221 North Johnson Avenue El Cajon, CA 92020
(619) 588-5599

This is the Premier JUNK STORE in the San Diego area! Thousands of parts to build whatever you can dream up. I shop here more than anywhere else. But they are a little light on NEW parts, so there are other options for that. Remember that an IC that has sat in a drawer for 30 years is still "NEW" but is considered "NEW OLD STOCK". I build most of my projects from parts found here.

The next JUNK STORE is just a ½ block down Johnson Ave

Murphys Surplus

401 North Johnson Avenue El Cajon, CA 92020

(619) 444-7717

Millions of parts in here. Some tubes, lots of connectors and caps. Some is very pricey, some dirt cheap. If you don't find it at Cal Electronics, stop here next!



Another very excellent Junk store is up in Kearney Mesa not far from HRO

San Diego Electronics

9135 Chesapeake Drive, San Diego, CA 92123

Phone: (858) 278-1245

This really has a lot of quality parts and especially ICs. Probably more than Cal Electronics. This store is the remains of the old GATEWAY, and is very well organized with lots of shelves and bins. But it is tight in this small space. I just picked up some very needed parts in there today!

Continued next page

Continued from page 3

Another overlooked place is FRY'S, just south of the Walmart near Aero Drive and I-15.



Fry's just upgraded their PARTS department and has a whole section of the building now just for parts. All kinds of NEW connectors, ICs, etc including a great supply of NTE Replacements. Well worth the trip if you are looking for NEW parts!

A store I haven't checked out myself, but have HEARD it is good is WILLY'S in National City.

Willy's Electronic Supply

1636 D Avenue

National City, CA 91950

Ph: 619-477-2119

The problem I have with this place is that it is NOT open on weekends, so I can never go unless I take a special day of VACATION just to go. Supposedly ALOT of parts there!



Surprisingly, there are many parts you will need at your local **Radio Shack!!**

There are other options as well. That is the monthly SWAP MEETS held around SoCal. Some are A LONG ways away, but worth the drive.

First is the Santee Drive in Swap meet, held the 1st Sat of the month at 10990 North Woodside Avenue Santee, CA 92071 (619) 449-7927. Tom N6JOJ hosts the ARC of El Cajon booth there each month; and is well worth the trip! You will meet and enjoy fine comradely with Club members there. And there are great bargains as well. This is where I found my 1908 Audion tube (worth thousands!!!) for \$1!

On the 3rd Saturday of the Month, it is time for the Chino Hills Swap meet up in Chino Hills. This is a TREMENDOUS DRIVE, and I get up at 2:30AM to get there. But, the early bird gets the GREAT DEALS which I usually do! Located at the Chino Hills High School. 16150 Pomona Rincon Rd., Chino Hills.

Finally, the big DADDY of them all, the TRW Swap meet

TRW A.R.C. SWAP MEET - is the last Saturday of each month rain or shine. Starting time is 7 AM in Manhattan Beach. Exit 405 Freeway at Rosecrans, go West to Aviation and then south to parking lot below Marine. Talk-in: 145.320, - input, (PL 114.8) Thomas Guide: page 733-A5. www.w6trw.com TRW is a lot of JUNK these days, but on occasion, there will be INCREDIBLE DEALS to be found for the wary and QUICK shopper!

So now you know where I get all my junk! Hope you can build something for the ARCEC Homebrew Contest!!

Counterpoise Apology

I would like to extend a sincere apology to KJ6GOO (Heather) and KJ6BFT (Margaret) for misprinting their call signs in the August issue of the Counterpoise. Sorry ladies!!

Amateur Radio Club of El Cajon Club Nets

Day	Time	Name	Description	Net Control	Repeater
Sunday					
Monday	7:00 pm	Donut Net	Trivia & general interest questions	KI6RRN Axel	ARCEC
Tuesday	8:00 pm	Wide Open Net	Almost anything goes with Frito	N6WKB Frito	ARCEC
Wednesday	8:00 pm	WAMO Net	WAMO contacts, roundtable, buy-sell, swap, 73 round	KJ6IOB Daniel	ARCEC
Thursday	7:00 pm	Fritos 10 Meter Net	Starts on 10M and moves to 2M	N6WKB Frito	ARCEC
Friday					
Saturday	8:00 pm	WAMO Net	Roundtable, sell-buy-swap, club news, 73 round	KJ6BFT Margaret KJ6GOO Heather	ARCEC

Work All Members Once



WA6BGS web site - interesting happenings

Remember that Club Officer and Board of Director elections are coming up in December, so submit your nominations soon. A Nomination Form is part of this months Counterpoise and is also online for your convenience too.

Check out the important club related documents, minutes, reports, and other vital information available to all members of ARCEC.

Be sure to put in your nomination for Ham of the Year, and your Homebrew project too. Time will be running out soon for them.

All this and more at www.wa6bgs.us TODAY!!!!

Contact Information:

Web Site: www.wa6bgs.us

President: president@wa6bgs.us

Vice President: vicepresident@wa6bgs.us

Secretary: secretary@wa6bgs.us

Treasurer: treasurer@wa6bgs.us

Counterpoise: counterpoise@wa6bgs.us

Club Phone number is **619-663-6011**

Monthly Amateur Radio License Exam

1st Saturday of the Month Amateur Radio Club of El Cajon, Inc.

El Cajon First Lutheran Church, 867 South Lincoln, El Cajon, CA 92020 9 :00 AM

Contact Gereld N. Madsen - Jerry KI6PLH, (619) 766-9177 (walk-ins welcome).

How to find the exam site

From the West: Take I-8 East, Exit El Cajon Blvd/Chase Ave. At the end of the ramp, turn right onto Chase Avenue. Go about 1.5 miles to South Lincoln Avenue. Lincoln will be 1 block after Avocado Drive. Turn left on South Lincoln. We are 2 blocks up on the right.

From the East: Take I-8 West, Exit Mollison Avenue. Go South on Mollison about 2 miles to Washington. Turn right on Washington. Go 1 block and turn left on South Lincoln. We are 1 block up on the left.

Important!! Get your free FRN ID from the FCC

Be sure to visit the FCC web site and obtain your FRN identification prior to coming to take your exam. You will need it to show you have registered with the FCC, and so that we can send your exam results to them for processing and licensing.

Santee Swap Meet First Saturday of each month

Santee Electronics Swap Meet is the first Saturday of each month at Santee Drive-In east side of Highway 67, South of Riverford Rd. in Santee, CA Starting at 6:30 AM, talk-in 146.520, Buyers \$1.00 Find out more information at EL Cajon ARC website at www.WA6BGS.US. Club stall is open for buyers/sellers from 6:30 am until 9 am. Please feel free to bring your own Ham related items to sell at the Club stall. Just remember that you must stay with your items until they sell, or take them with you when you leave, thanks.

Notice of Disclaimer

All companies mentioned in the Counterpoise are done as a courtesy and a convenience to both the membership and the company. No compensation has been solicited and none has been accepted, and no endorsement has been made.

Joe - KJ6VMX - Counterpoise Editor

Phonetic Alphabet & Morse Code

It seems that many people would love to learn Morse Code now that there is no longer a requirement for licensing, and that is a very good thing. More power to those who take the initiative these days, So, presented for your educational needs is the chart to the right. Have fun, and good luck learning Code. You might also take the time to learn the official Phonetic Alphabet too. Then you will not be just another yo yo out there making your own phonetics up as you go. This is what the old timers cut their teeth on, and to be honest, just plain sounds so much better when everyone uses the same thing, especially in those high QRM environments. So go for it!!!

A	ALPHA	• —
B	BRAVO	— • • •
C	CHARLIE	— • — •
D	DELTA	— • •
E	ECHO	•
F	FOXTROT	• • — •
G	GOLF	— — •
H	HOTEL	• • • •
I	INDIA	• •
J	JULIETT	• — — —
K	KILO	— • —
L	LIMA	• — • •
M	MIKE	— —
N	NOVEMBER	— •
O	OSCAR	— — —
P	PAPA	• — — •
Q	QUEBEC	— — • —
R	ROMEO	• — •
S	SIERRA	• • •
T	TANGO	—
U	UNIFORM	• • —
V	VICTOR	• • • —
W	WHISKEY	• — —
X	X-RAY	— • • —
Y	YANKEE	— • — —
Z	ZULU	— — • •



California
ELECTRONIC & INDUSTRIAL SUPPLY

Willy's Electronic Supply - National City
1636 D Avenue
National City, CA 91950
Ph: 619-477-2119 / FAX 619-477-2789
Monday - Friday 8:00AM - 6:00PM, PST

Willy's Electronic Supply - San Diego
5482 Complex Street, #103-105
San Diego, CA 92123
Ph: 858-279-5800 / FAX 858-279-5850
Monday - Friday 8:00AM - 5:00PM, PST

California Electronics & Industrial Supply
221 N Johnson Ave
El Cajon, CA 92020

Hours:
Mon-Fri 9 am - 6 pm
Sat 9 am - 5 pm
Sun 12 pm - 4 pm

Health and Welfare

Virgil Pattin K7VP is home from the hospital and in hospice care.



The **AMATEUR RADIO CLUB OF EL CAJON**^{Inc.}

WA6BGS

Post Office Box Fifty, El Cajon California 92022

Founded 1960 ~ Incorporated 1976

Nominations for Officers and Board of Directors 2012/2013 Election Amateur Radio Club of El Cajon

Please enter your phone number, call sign and member number (WAMO number). Nominations without this qualifying information will not be considered valid and will be discarded. All information will be verified before a nomination goes on the ballot for election.

**Required information*

Your Name: * _____

E-Mail Address: * _____

FCC Call Sign (You) * _____

Your Member or WAMO number/Phone Number: * _____

Nomination for President, Call Sign or Name: _____

Nomination for Vice President, Call Sign or Name: _____

Nomination for Secretary, Call Sign or Name: _____

Nomination for Treasurer, Call Sign or Name: _____

Nominations for Board of Directors (six available positions):

1. Call Sign or Name: _____
2. Call Sign or Name: _____
3. Call Sign or Name: _____
4. Call Sign or Name: _____
5. Call Sign or Name: _____
6. Call Sign or Name: _____

Nominate the club member(s) of your choice for the positions listed for 2013.

Requirements:

- 1 - Persons nominated must be members of the club, in good standing, at the time of nomination.
- 2 - Person making the nomination must be a current member of the club, in good standing, at the time of nomination.

Please submit completed forms at any club meeting in October or November 2012, or scan and send to any club officer or Board of Director member for consideration.

Counterpoise Submissions Requested

The Counterpoise is always looking for story ideas and submissions, pictures, and upcoming news articles. You can submit by sending your content to counterpoise@wa6bgs.us in WORD or PDF format. Photos can be sent in JPG, GIF, or most any other popular formats as well. Deadline is typically 7 days from the Members meeting, usually held on the second Thursday of each month. All members are urged to help out the Counterpoise and keep it active and entertaining. Hope to see your submissions soon!!

Joe - KJ6VMX - Counterpoise Editor

MURPHYS SURPLUS WAREHOUSE

LOCATED AT 401 N. JOHNSON AVE:

EL CAJON, CA. 92020

(NEAR SAN DIEGO) 619 444 7717

FAX 444 6750 EMAIL murphy@cts.com

HOURS MONDAY THRU SATURDAY

9 AM TO 5

Harvey Hairbuckle-Ham Extroidinaire





The **AMATEUR RADIO CLUB OF EL CAJON** Inc.

WA6BGS

Post Office Box Fifty, El Cajon California 92022

Founded 1960 ~ Incorporated 1976

Please fill out this form and see the options at the bottom for Submitting options

Date of Application: _____

Amount Paid: \$ _____ ☐ Cash or ☐ Check Check #: _____

Membership Type: ☐ Individual (\$20) ☐ Family (\$35)
 Membership Status: ☐ New ☐ Renewal ☐ Returning Member
 Call Sign: First Name: Last Name: WAMO # (If renewing or returning):

ARRL Member: ☐ Yes ☐ No
 License Class: ☐ Technician ☐ General ☐ Extra ☐ Other:
 Address: City: State: Zip: PO Box:

Email ID: Phone: _____

Would you like a member badge? ☐ Yes ☐ No

Add Additional Members Here (Family Package):

First Name	Last Name	Call Sign	License Class	Wamo #	Badge
					<input type="radio"/>
					<input type="radio"/>
					<input type="radio"/>
					<input type="radio"/>
					<input type="radio"/>

Submitting This Form

To submit this form mail it to P.O. Box 50 El Cajon, 92022

-OR-

Bring to the next club meeting or go to www.wa6bgs.us and join on line (click on Club info / Join)

Cash Payments - Get a Receipt from the Club Treasurer. Make all checks payable to AMATEUR RADIO CLUB of EL CAJON, Incorporated. Receipts for payments by check will be sent by email or regular mail by the Club Treasurer.

Members with FCC Call Signs are Full Members with voting privileges, Members without FCC Call Signs are Associate members without voting privileges

YOUR DUES ARE TAX DEDUCTABLE: Amateur Radio Club of El Cajon, Inc. is a 501(c)(7) Corporation. Donations are NOT tax Deductable.